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1   <u>From reading to retrieval: freeform ink annotations as queries</u>
Gene Golovchinsky, Morgan N. Price, Bill N. Schilit
August 1999 **Proceedings of the 22nd annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '99**
Publisher: ACM Press
Full text available: 📄 <u>pdf(236.86 KB)</u>   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

> **Keywords**: annotation-based queries, digital libraries, empirical evaluation, freeform digital ink, information appliances, information exploration, information retrieval, query expansion, query-mediated browsing, relevance feedback, user studies

2   <u>IR-3 (information retrieval): fusion of retrieval systems: Improving document representations using relevance feedback: the RFA algorithm</u>   ☐
Razvan Stefan Bot, Yi-fang Brook Wu
November 2004 **Proceedings of the thirteenth ACM international conference on Information and knowledge management CIKM '04**
Publisher: ACM Press
Full text available: 📄 <u>pdf(342.74 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

> In this paper we present a document representation improvement technique, named the Relevance Feedback Accumulation (RFA) algorithm. Using prior relevance feedback assessments and a data mining measure called "support", the algorithm's learning function gradually improves document representations, over time and across users. Results show that the modified document representations yield lower dimensionality while improving retrieval effectiveness. The algorithm is efficient and scalable, suite ...

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1 On the design and evaluation of a multi-dimensional approach to information retrieval (poster session)   ☐

M. Catherine McCabe, Jinho Lee, Abdur Chowdhury, David Grossman, Ophir Frieder

July 2000   **Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '00**

Publisher: ACM Press

Full text available: 📄 pdf(331.58 KB)   Additional Information: full citation, abstract, references, citings, index terms

We present a method of searching text collections that takes advantage of hierarchical information within documents and integrates searches of structured and unstructured data. We show that Multidimensional databases (MDB), designed for accessing data along hierarchical dimensions, are effective for information retrieval. We demonstrate a method of using On-Line Analytic Processing (OLAP) techniques on a text collection. This combines traditional information retrieval and the slicing, dic ...

2 Mining and disambiguating names: Finding authoritative people from the web   ☐

Masanori Harada, Shin-ya Sato, Kazuhiro Kazama

June 2004 **Proceedings of the 4th ACM/IEEE-CS joint conference on Digital libraries JCDL '04**

Publisher: ACM Press

Full text available: 📄 pdf(260.06 KB)   Additional Information: full citation, abstract, references, citings, index terms

Today's web is so huge and diverse that it arguably reflects the real world. For this reason, searching the web is a promising approach to find things in the real world. This paper presents NEXAS, an extension to web search engines that attempts to find real-worldentities relevant to a topic. Its basic idea is to extract proper names from the web pages retrieved for the topic. A main advantage of this approach is that users can query any topic and learn about relevant real-world entities without ...

Keywords: proper name extraction, question answering, text analysis, web mining

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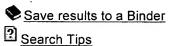
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1 Late breaking result papers: Tangible interface for collaborative information retrieval   ☐

Alan F. Blackwell, Mark Stringer, Eleanor F. Toye, Jennifer A. Rode

April 2004 **CHI '04 extended abstracts on Human factors in computing systems CHI '04**

Publisher: ACM Press

Full text available: 📄 pdf(290.58 KB)   Additional Information: full citation, abstract, references, index terms

Most information retrieval (IR) interfaces are designed for a single user working with a dedicated interface. We present a system in which the IR interface has been fully integrated into a collaborative context of discussion or debate relating to the query topic. By using a tangible user interface, we support multiple users interacting simultaneously to refine the query. Integration with more powerful back-end query processing is still in progress, but we have already been able to evaluate the p ...

Keywords: computer supported collaborative argumentation, probabilistic information retrieval, tangible interfaces

2 On the design and evaluation of a multi-dimensional approach to information retrieval   ☐
(poster session)

M. Catherine McCabe, Jinho Lee, Abdur Chowdhury, David Grossman, Ophir Frieder

July 2000 **Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '00**

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3   ☐

Time, media, interaction: A look at some issues during textual linking of homogeneous web repositories

José Antonio Camacho-Guerrero, Alessandra Alaniz Macedo, Maria da Graça Campos Pimentel
October 2004 **Proceedings of the 2004 ACM symposium on Document engineering DocEng '04**
Publisher: ACM Press

Full text available: pdf(993.53 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Interacting with services that create links automatically via Web users are able to identify relationships among documents stored in different repositories. The fact that automatic linking services do not use queries performed by a human user has impact in the use of information retrieval techniques for the identification of relationships. Information retrieval techniques can lead to the identification of relationships that should not have been generated (generating non-relevant links) at the ...

Keywords: homogeneous repositories, information retrieval, linking, semantic structures, web

4 <u>Empirical investigations on query modification using abductive explanations</u>
Ian Rithven, Mounia Lalmas, Keith van Rijsbergen
September 2001 **Proceedings of the 24th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '01**
Publisher: ACM Press

Full text available: pdf(249.26 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

In this paper we report on a series of experiments designed to investigate query modification techniques motivated by the area of abductive reasoning. In particular we use the notion of abductive explanation, explanations being a description of data that highlight important features of the data. We describe several methods of creating abductive explanations, exploring term reweighting and query reformulation techniques and demonstrate their suitability for relevance feedback.

5 <u>Mining and disambiguating names: Finding authoritative people from the web</u>
Masanori Harada, Shin-ya Sato, Kazuhiro Kazama
June 2004 **Proceedings of the 4th ACM/IEEE-CS joint conference on Digital libraries JCDL '04**
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Keywords: proper name extraction, question answering, text analysis, web mining

6 <u>Effective access to large audiovisual assets based on user preferences</u>
S. Ioannou, G. Moschovitis, K. Ntalianis, K. Karpouzis, S. Kollias
November 2000 **Proceedings of the 2000 ACM workshops on Multimedia MULTIMEDIA '00**
Publisher: ACM Press

Full text available: Additional Information:

pdf(1.01 MB)   full citation, abstract, references, index terms

Current multimedia databases contain a wealth of information in the form of audiovisual, as well as text data. Even though efficient search algorithms have been developed for either media, there still exists the need for abstract presentation and summarization of the results of database users' queries. Moreover, multimedia retrieval systems should be capable of providing the user with additional information related to the specific subject of the query, as well as suggest other topics which us ...

Keywords: multimedia databases, query expansion, text-based search, user profiling, web access

7 A knowledge-base for retrieval evaluation

Roy Rada, Susanne Humphrey, Craig Coccia

October 1985 **Proceedings of the 1985 ACM annual conference on The range of computing : mid-80's perspective: mid-80's perspective ACM '85**

Publisher: ACM Press

Full text available: pdf(807.52 KB)   Additional Information: full citation, references, citings, index terms

Keywords: information retrieval systems, knowledge refinement, knowledge representation, knowledge-bases, relevance, retrieval evaluation

8 Posters: Unity: relevance feedback using user query logs

Jignashu Parikh, Shyam Kapur

August 2006 **Proceedings of the 29th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '06**

Publisher: ACM Press

Full text available: pdf(130.20 KB)   Additional Information: full citation, abstract, references, index terms

The exponential growth of the Web and the increasing ability of web search engines to index data have led to a problem of plenty. The number of results returned per query is typically in the order of millions of documents for many common queries. Although there is the benefit of added coverage for every query, the problem of ranking these documents and giving the best results gets worse. The problem is even more difficult in case of temporal and ambiguous queries. We try to address this problem ...

Keywords: information retrieval, query expansion, query refinements, relevance feedback, search engines, search re-ranking

9 Adaptive hypermedia (2): User-controlled link adaptation

Theophanis Tsandilas, m. c. schraefel

August 2003 **Proceedings of the fourteenth ACM conference on Hypertext and hypermedia HYPERTEXT '03**

Publisher: ACM Press

Full text available: pdf(1.37 MB)   Additional Information: full citation, abstract, references, citings, index terms

This paper introduces an adaptable hypermedia approach applied to adaptive link annotation techniques. This approach suggests that the combination of direct manipulation with automated link annotation affords greater user control over page adaptation. In turn, this direct control better supports user focus in information discovery tasks. Unlike adaptive-only systems, our approach lets users both define multiple topics of interest and then manipulate how these topics' associated links are present ...

Keywords: adaptable hypertext, direct manipulation, history visualization, hyperlink annotation

10 PACT 2001 workshops: SIDE surfer: enriching casual meetings with spontaneous information gathering

David Touzet, Jean-Marc Menaud, Frédéric Weis, Paul Couderc, Michel Banâtre

December 2001 **ACM SIGARCH Computer Architecture News**, Volume 29 Issue 5

Publisher: ACM Press

Full text available: pdf(619.25 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Development of wireless communications enables the rise of networking applications in mobile personal systems. Thus, Web access from wireless PDAs is now available. More recently, emergence of proximity and wireless communication technologies has allowed to envision new kinds of applications taking part from their physical neighbourhood. In the field of personal applications, physical neighbourhood awareness can contribute to manage direct interactions between people during opportunistic encount ...

11 Generation of relevance maps and navigation in a digital book

Katsuhiro Ikeda, Kozo Sugiyama, Isamu Watanabe, Kazuo Misue

January 2006 **Proceedings of the 2006 Asia-Pacific Symposium on Information Visualisation - Volume 60 APVis '06**

Publisher: Australian Computer Society, Inc.

Full text available: pdf(1.30 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

This paper describes how to design a digital book for a new science called 'Knowledge Science'. We prepare several types of navigation facilities for browsing the book. Specially, we generate relevance maps by mining useful information from large volume of textual data and visualizing it. We evaluate the quality of the generated relevance maps through questionnaires to the authors. Also, we evaluate the usability of prepared navigation facilities through questionnaires to the users.

Keywords: digital book, navigation, relevance map

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August 1999 **Proceedings of the 22nd annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '99**
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Keywords: annotation-based queries, digital libraries, empirical evaluation, freeform digital ink, information appliances, information exploration, information retrieval, query expansion, query-mediated browsing, relevance feedback, user studies

2 IR-3 (information retrieval): fusion of retrieval systems: Improving document   ☐
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Razvan Stefan Bot, Yi-fang Brook Wu
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Keywords: document oriented view, document representation, information retrieval, relevance feedback

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☐   1. **Keyphrase extraction-based query expansion in digital libraries**
Il Yeol Song; Allen, R.B.; Obradovic, Z.; Min Song;
Digital Libraries, 2006. JCDL '06. Proceedings of the 6th ACM/IEEE-CS Joint (
June 2006 Page(s):202 - 209
Digital Object Identifier 10.1145/1141753.1141800

AbstractPlus | Full Text: PDF(265 KB)   IEEE CNF
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☐   2. **Mining answers in German Web pages**
Neumann, G.; Feiyu Xu;
Web Intelligence, 2003. WI 2003. Proceedings. IEEE/WIC International Confer
13-17 Oct. 2003 Page(s):125 - 131

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☐   3. **Text mining in 'Request for Comments Document Series'**
Gurusamy, S.; Manjula, D.; Geetha, T.V.;
Language Engineering Conference, 2002. Proceedings
13-15 Dec. 2002 Page(s):147 - 155

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☐ 1. **Audio thumbnailing of popular music using chroma-based representatioi**
Bartsch, M.A.; Wakefield, G.H.;
Multimedia, IEEE Transactions on
Volume 7, Issue 1, Feb. 2005 Page(s):96 - 104
Digital Object Identifier 10.1109/TMM.2004.840597

AbstractPlus | References | Full Text: PDF(712 KB)   IEEE JNL
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☐ 2. **SVM-based salient region(s) extraction method for image retrieval**
ByoungChul Ko; Soo Yeong Kwak; Hyeran Byun;
Pattern Recognition, 2004. ICPR 2004. Proceedings of the 17th International C
Volume 2, 23-26 Aug. 2004 Page(s):977 - 980 Vol.2
Digital Object Identifier 10.1109/ICPR.2004.1334422

AbstractPlus | Full Text: PDF(325 KB)   IEEE CNF
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☐ 3. **PicSOM: self-organizing maps for content-based image retrieval**
Laaksonen, J.; Koskela, M.; Oja, E.;
Neural Networks, 1999. IJCNN '99. International Joint Conference on
Volume 4, 10-16 July 1999 Page(s):2470 - 2473 vol.4
Digital Object Identifier 10.1109/IJCNN.1999.833459

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